

IN THE CLAIMS

Please cancel claims 5 – 10, and further amend the claims as indicated below.

1. (currently amended) A method ~~for controlling a computer entity to participate in a peer to peer network of a plurality of computer entities~~ performed by a first computer entity, said method comprising:

~~for each computer entity:~~

operating a peer to peer protocol for enabling said first computer entity to utilise ~~resources a~~ resource of ~~at least one other said~~ a second computer entity ~~of said in a peer to peer network~~, and for enabling ~~at least one other said~~ second computer entity ~~of said network~~ to utilise ~~resources a~~ resource of said first computer entity in said peer to peer network; and operating a process for managing ~~at least one other said~~ second computer entity ~~in said network~~, wherein said process utilises said resource of said first computer entity, and is invoked ~~whenever said resources are~~ when said resource of said first computer entity is not being used by at least one a service application at a higher level layer than said peer to peer protocol.

2. (currently amended) The method as claimed in claim 1, wherein said process ~~of managing at least one other computer entity in said network~~ comprises:

determining ~~at least one~~ a policy by which said first computer entity will interact with said ~~at least one other~~ second computer entity.

3. (currently amended) The method as claimed in claim 1, wherein said process ~~of managing at least one other computer entity~~ comprises:

adopting a policy towards said ~~at least one other~~ second computer entity, wherein said policy is selected from a set of pre-determined policies for determining a relationship between said first computer entity and said ~~at least one other~~ second computer entity.

4. (currently amended) The method as claimed in claim 1, wherein managing ~~at least one other~~ said computer entity ~~in said network~~ comprises a process selected from the ~~set~~ group consisting of:
placing said ~~at least one other~~ second computer entity in quarantine;
controlling access by said ~~at least one~~ second computer entity to a communal ~~resources~~ resource
stored on said first computer entity; ~~or and~~
applying a charge for utilisation by said at least one other computer entity of a communal resource.

5 – 10. (canceled)

11. (currently amended) A first computer entity comprising:
a peer to peer networking component for allowing said first computer entity to engage other computer entities on a peer to peer basis; and
a network management component for enabling ~~a~~ said first computer entity to participate in management of a peer to peer network, ~~wherein~~
wherein said network management component ~~is configured to operate~~ operates a process for managing ~~at least one other~~ said a second computer entity in said peer to peer network, and
wherein said process utilises a resource of said first computer entity, and is invoked ~~whenever~~
~~said resources are~~ when said resource is not being used by ~~at least one~~ a service application at a higher level layer than said peer to peer protocol.

12. (currently amended) The first computer entity as claimed in claim 11, ~~configured such that~~
wherein said network management component is activated whenever said peer to peer ~~network~~
networking component is operational.

13. (currently amended) The first computer entity as claimed in claim 11, wherein said network management component comprises ~~a~~ program data ~~which~~ that controls said ~~resources~~ resource to perform a network management service.

14. (currently amended) The first computer entity as claimed in claim 11, wherein said network management component ~~operates to apply at least one~~ applies a policy for determining a mode of operation of said first computer entity in relation to ~~at least one other~~ said second computer entity ~~of said network.~~

15. (currently amended) The first computer entity as claimed in claim 11, wherein said network management component operates to:

communicate with a plurality of other computer entities of said network for sending and receiving policy data concerning an operational policy towards ~~a target~~ said second computer entity; and

determine, from a consideration of policy data received from said other computer entities, a global policy to be adopted by each computer entity in said network, towards a ~~said target~~ said second computer entity.

16. (currently amended) A data storage media comprising:

program data for controlling a first computer entity to ~~participate in a peer to peer network, said~~ program data comprising instructions for perform a method that includes:

operating a peer to peer protocol for enabling said first computer entity to utilise ~~resources~~ a resource of ~~at least one other~~ a second computer entity ~~of said in a peer to peer network, and for enabling at least one other~~ said second computer entity ~~of said network~~ to utilise ~~resources~~ a resource of said first computer entity in said peer to peer network; and

operating a process for managing ~~at least one other~~ said second computer entity ~~in said network,~~

wherein said process utilises said resource of said first computer entity, and is invoked

~~whenever said resources are~~ when said resource of said first computer entity is not being used by ~~at least one~~ a service application at a higher level layer than said peer to peer protocol.

17. (currently amended) A method ~~for controlling a computer entity to participate in a peer to peer network of a plurality of computer entities,~~ said performed by a first computer entity comprising having:

a set of computing ~~resources,~~ resources; and

~~a at least one higher level service provided by at least one~~ a service application,

said method comprising:

operating a peer to peer protocol for enabling said first computer entity to utilise ~~resources~~

a resource of ~~at least one other said~~ a second computer entity ~~of said~~ in a peer to peer

network, and for enabling ~~at least one other said~~ second computer entity ~~of said~~

~~network~~ to utilise ~~resources~~ a resource of said computer entity; and

operating a process for managing ~~at least one other said~~ second computer entity ~~in said~~

~~network,~~

wherein said process utilizes said set of computing resources, and is invoked whenever

when said set of computing resources are is not being used at least one by said service application at a higher level layer than said peer to peer protocol.

18. (currently amended) The method as claimed in claim 17, wherein said first computer entity automatically operates said process ~~for managing at least one other computer entity,~~ in response to receipt of a service request from ~~at least one of said plurality of computer entities, not including said computer entity itself~~ a third computer entity in said peer to peer network.

19. (currently amended) A method ~~for controlling a computer entity to participate in a peer to peer network of a plurality of computer entities~~ performed by a first computer entity, said method comprising:

~~for each computer entity:~~

operating a peer to peer protocol for enabling said first computer entity to utilise ~~resources~~ a

resource of ~~at least one other said~~ a second computer entity ~~of said~~ in a peer to peer

network, and for enabling ~~at least one other said~~ second computer entity ~~of said network~~ to

utilise ~~resources~~ a resource of said first computer entity in said peer to peer network; and

operating ~~said~~ a process for managing ~~at least one other~~ said second computer entity, in response to receipt of a service request from ~~at least one of said plurality of computer entities, not including said computer entity itself~~ a third computer entity in said peer to peer network.

20. (currently amended) A first computer entity comprising:

a peer to peer networking component for allowing said first computer entity to engage other computer entities on a peer to peer basis; and

a network management component for enabling ~~a~~ said first computer entity to participate in management of a peer to peer network, ~~wherein~~

wherein said network management component ~~is configured to operate~~ operates a process for managing ~~at least one other~~ said a second computer entity in said peer to peer network, in response to receipt of a service request from ~~at least one of said plurality of computer entities, not including said computer entity itself~~ a third computer entity in said peer to peer network.

21. (new) The method of claim 1, wherein said process includes considering whether said second computer entity allows said first computer entity to utilise said resource of said second computer entity.

22. (new) The first computer entity of claim 11, wherein said process considers whether said second computer entity allows said first computer entity to utilise a resource of said second computer entity.

23. (new) The data storage media of claim 16, wherein said process considers whether said second computer entity allows said first computer entity to utilise said resource of said second computer entity.

24. (new) The method of claim 17, wherein said process considers whether said second computer entity allows said first computer entity to utilise said resource of said second computer entity.

25. (new) The method of claim 19, wherein said process considers whether said second computer entity allows said first computer entity to utilise said resource of said second computer entity.

26. (new) The first computer entity of claim 20, wherein said process considers whether said second computer entity allows said first computer entity to utilise said resource of said second computer entity.